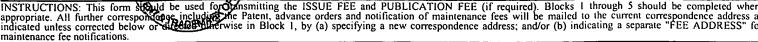
vailahka Copyfee(S) Transmittal

Com

DEC 2 3 2008

ind send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE
Commissioner for Pate
P.O. Box 1450
Alexandria, Virginia 2 Commissioner for Patents Alexandria, Virginia 22313-1450

or Fax (571)-273-2885



NSTRUCTIONS: This ppropriate. All further idicated unless correct in internance fee notification.	form stoud be used correspondings including de below or discousant de la constant	for the ISSU E the Patent, advance of the Patent, advance of the Patent, advance of the Patent I is a server of the Issue of the Is					nould be completed where correspondence address as rate "FEE ADDRESS" for
CURRENT CORRESPOND	Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.						
23117		Cartificate	of Mailing or Trans	mission			
NIXON & VA	l h	ereby certify tha	t this Fee(	s) Transmittal is being	deposited with the United		
901 NORTH GI ARLINGTON,	Sta ado tra	tes Postal Servi- lressed to the I asmitted to the U	ce with suf Mail Stop JSPTO (57	ficient postage for firs ISSUE FEE address 1) 273-2885, on the da	deposited with the United t class mail in an envelope above, or being facsimile ate indicated below.		
· inclinion on ,	2220						(Depositor's name)
							(Signature)
							(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR	D INVENTOR ATTORNEY DOCKET		RNEY DOCKET NO.	CONFIRMATION NO.
09/778,045	02/07/2001	Takahisa Kurahashi 925-177 6211					
APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID I		TOTAL FEE(S) DUE	DATE DUE
<del></del>		L			-	<u> </u>	02/13/2009
nonprovisional	NO	\$1510	\$300	\$0 \$1810 02 12/24/2008 \$NOHANH1 00000250 09778045			
EXAMINER ART UNIT			CLASS-SUBCLASS	01 FC:1501 1510.00 OP 02 FC:1504 300.00 OP			
MATTHEWS, COLLEEN ANN 2811  Change of correspondence address or indication of "Fee Address" (37			257-095000				
. Change of correspond FR 1.363).	ence address or indicatio	2. For printing on the (1) the names of up to			nevs I Nixon	& Vanderhye P.C	
Change of corresp Address form PTO/S	ondence address (or Cha B/122) attached.	or agents OR, alternatively,					
"Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.			(2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.				
ASSIGNEE NAME A	ND RESIDENCE DATA	A TO BE PRINTED ON	THE PATENT (print or ty	rpe)			
PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.							
(A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY)							
Sharp Kab	ushiki Kaisha	Osaka, Jar	aka, Japan 12/24/2008 SHOHAMM1 00000254 09778045 01 FC:8001 12.00 ND				
lease check the appropr	riate assignee category or	categories (will not be p	rinted on the patent):				oup entity Government
a. The following fee(s)	are submitted:	4	b. Payment of Fee(s): (Ple	ase first reappl	y any prev	viously paid issue fee :	shown above)
Issue Fee			A check is enclosed.				•
Publication Fee (No small entity discount permitted)  Advance Order - # of Copies  Payment by credit card. Form PTO-2038 is attached.  The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any							
Advance Order -	# of Copies4		The Director is hereb overpayment, to Dep	y authorized to osit Account Nu	charge the mber 1:4-	required fee(s), any de 1140 (enclose a	ficiency, or credit any n extra copy of this form).
	itus (from status indicate		Dr. Applicant forms for	1-:: CI	MALL CN	TITV status Con 27 Cl	CD 1.27(a)(2)
• • •	is SMALL ENTITY state		b. Applicant is no lo	-			e assignee or other party in
iterest as shown by the	regords of the United Sta	ates Patent and Trademark	k Office.	the applicant, a		anomey of agent, of the	
Authorized Signature				Date	Decemb	er 23, 2008	
Typed or printed nam	Joseph A.	Rhoa		Registrati	on No. 3	7,515	
his collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process)							

an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.